PTO/SB/21 (02-04) Approved for use through 07/31/2006. OMB 0651-0031

u	Inder the Paperwin Reduction Act 1995	no persons	U.S. Paten	t and Tra	ademark Office; U.S. DEPARTMENT OF COMMERCE rmation unless it displays a valid OMB control number.
	THADE		Application Number	10/809,	
	TRANSMITTAL		Filing Date	03/25/2	004
	FORM		First Named Inventor	BAMDA	AD, Cynthia C.
(to	be used for all correspondence after initial	filing)	Art Unit	1641	
			Examiner Name	N/A	
Tota	al Number of Pages in This Submission	9	Attorney Docket Number	M1015.	70002US01
		ENCL	OSURES (Check all that	apply)	
	Fee Transmittal Form		Orawing(s)		After Allowance communication to Technology Center (TC)
	Fee Attached		icensing-related Papers		Appeal Communication to Board of Appeals and Interferences
	Amendment/Reply		Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
	After Final				Proprietary Information
		I □ F	Power of Attorney, Revocation		Status Letter
	`,			∋ss	Other Enclosure(s) (please
	Express Abandonment Request		Request for Refund		PTO-1449/A and B and copy of the cited
$\overline{\mathbf{V}}$	Information Disclosure Statement	[	CD, Number of CD(s)		•
After Final After					
	Response to Missing Parts/ Incomplete Application	, rotal re		103 1101	indude references and represented documents.
	Response to Missing Parts under 37 CFR 1.52 or 1.53				

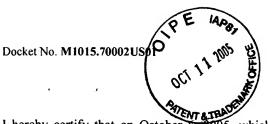
	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT
Firm or Individual name	Joseph Hyosuk Kim, Ph.D. Reg. No. 41,425 JHK Law
Signature	Ham lee, Res. No. 56,814
Date	October 6, 2005

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Harry Sung Lee		
Signature	Homele	Date	October 6, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,



I hereby certify that on October 6, 2005, which is the date I am signing this certificate, I am depositing this correspondence and all identified attachments with the U.S. Postal Service, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Harry Lee

Applicant: BAMDAD, Cynthia C.

Serial No.: 10/809,291 Filed: March 25, 2004 Confirmation No.: 6035

Title: INTERACTION OF COLLOID IMMOBILIZED SPECIES WITH SPECIES ON NON-COLLOIDAL

Examiner: N/A
Art Unit: 1641

Attorney Docket No.: M1015.70002US01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **Information Disclosure Statement**

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed in the attached forms PTO/SB/08A and PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Copies of the cited documents except for WO 00/43791 (Cite No. B4 in form PTO/SB/08A) are not enclosed since all of the cited references have been either previously submitted to the Patent Office with the Information Disclosure Statement or cited in the Office Actions in connection with the parent application 09/602,778. It is believed that these references can be found in the files for application 09/602,778. Please note that the references listed in the enclosed copy of the Notice of References Cited for application 09/602,778 are included in form PTO/SB/08A submitted herewith.

Docket No. M1015.70002US01

Application No. 10/809,291

It is respectfully requested that the Examiner indicate consideration of the cited

references by returning copies of the attached forms PTO/SB/08A and PTO-1449 with initials or

other appropriate marks, and that the references be made of record as cited references in the

application.

Copies of the International Search Report and the International Preliminary Examination

Report for international application PCT/US00/01504 are also submitted herewith for records.

This Information Disclosure Statement is being filed before the mailing date of the First

Office Action on the merits in the above-identified case. Therefore, no fee is required.

The Commissioner is authorized to charge JHK Law's Deposit Account No. 502486 for

any fees required under 37 CFR §§ 1.16 and 1.17 and to credit any overpayment to said Deposit

Account No. 502486.

Respectfully submitted,

October 6, 2005

Date

Joseph Hyosuk Kim, Ph.D.

Lee, Reg. Mo. 56, 814

Reg. No. 41,425

Attorney for Applicants

JHK Law

P.O. Box 1078

La Canada, CA 91012-1078

Telephone: (818) 249-8177

Facsimile: (818) 249-8277

2

FORM PTO-1449/A and B (Modified Transcript INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

1

of 2

APPLICATION NO.: 10/809,291

ATTY. DOCKET NO.: M01015.70002.US01

FILING DATE:

03/25/2004

CONFIRMATION NO.: 6035

APPLICANT:

Cynthia C. Bamdad et al.

GROUP ART UNIT: 1641

EXAMINER: Counts, Gary W.

U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Docu	ıment	Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document MM-DD-YYYY	
Initials	No.	Number	Kind Code	Document		
	1	4,945,045	Α	Forrest et al.	07-31-1990	
	2	5,177,012	A	Kim et al.	01-05-1993	
	3	5,294,369	A	Shigekawa et al.	03-15-1994	
	4	5,384,073	A	Shigekawa et al.	01-24-1995	
	5	6,361,944	B1	Mirkin et al.	03-26-2002	
	6	6,417,340	B1	Mirkin et al.	07-09-2002	
	7	6,495,324	B1	Mirkin et al.	12-17-2002	
	8	US2002/0155462	A1	Mirkin et al.	10-24-2002	
	9	US2002/0172953	A1	Mirkin et al.	11-21-2002	
	10	US2002/0192687	A1	Mirkin et al.	12-19-2002	

FOREIGN PATENT DOCUMENTS

Examiner's	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited	Date of	
Initials		Office/ Country	Number	Kind Code	Document (not necessary)	Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
	11	DE	38 06 558	Α	Hitachi Ltd.	09-15-1988	N
	12	EP	0 489 465	B1	Azko Nobel N.V.	09-04-1996	1
	13	EP	0 579 343	Α	Eppendorf Netheler Hinz Gmbh G	01-19-1994	N
	14	wo	98/04740	A	Northwestern University	02-05-1998	IN
	15	wo	98/20162	A2	Clinical Micro Sensors	05-14-1998	ļ
	16	wo	01/92277	A1	Minerva Biotechnologies Corporation	12-06-2001	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	<u> </u>
Initials	No	(book, magazine, journal, serial, symposium, calalog, etc.), date, relevant page(s), volume igmo purel	Translation
		DUDIESICI, CILV ASIU/OF (SHIRIFV WRPTP TUDIEDA)	(Y/N)
	17	BAMDAD, CYNTHIA, "The Use of Variable Density Self-Assembled Monolayers to Probe the Structure of a	<del> </del>
<del> </del>		I I ALEGINOUGUE, DICH DICHAL MICHAL COTOBER LOUX DOL 75 1000 1004	
	18	BAMDAD, CYNTHIA CAROL, "Novel Surfaces for the Detection and Study of the D	<del> </del>
			1
•			
		Unity Civity, Cambridge, Ividesachuscus, Ividy 1997. Dr. 10111   IMI   Hecomotion Commission 1	
	19	CHOLDI AL., Labeling diguxin and bold with contours and formore for the contour for the contou	<del> </del>
٧,		11311111111111111111111111111111111	
	20	ROBINSON BY AL., Bioelectrocalemical enzyme immunoassay of human choriogonadotania and	<del>  </del>
	21	COX, DP, "Cationic colloidal gold, a stain for anionic tissue sites", Am Biotechnol I sh. October 1000, X-1, 0	<del>  </del>
		1 40, 12, 02, 30, ADOLKALI UNLY	1 1
	22	GUGLIUCCI ET AL., "Reaction of advanced glycation endproducts with renal tissue from normal and	
		suchossocia-induced diabetic rais, all utilistifficially listing colloidal gold cadochemists, 2	
	٠.		1
	23	STIKLING, JW., "Unitized fissue for electron immunocytochomictary a circular	
		gold localization of sensitive epitopes using ethanediol dehydration.", HISTOCHEM J, April 1992, vol. 24, no.	
		4, pp. 190-206, ABSTRACT ONLY.	

Serial No.: 10/809-291 Conf. No.: 6035

 $c_{(a)} \rightarrow \lambda_{(a)}$ 

Page 2 of 2 Art Unit: 1641

	•	
24	HACKER ET AL., "The use of silver acetate autometallography in the detection of catalytic tissue metals and	<del></del>
	colloidal gold particles bound to macromolecules.", PROG HISTOCHEM CYTOCHEM, 1991, vol. 23, no. 1-4,	
	DD. 480-90	}
25	BENDAYAN ET AL., "Effect of tissue processing on colloidal gold CytoChemistry.", J. HISTOCHEM	<del></del>
	CYTOCHEM, September 1987, vol. 35, no. 9, pp. 983-96, ABSTRACT ONLY.	1.
26	HISANO ET AL., "Some improvement in tissue preparation and colloidal-gold immunolabeling for electron	
1 20	microscopy." AM J ANAT, Feb-Mar. 1986, vol. 175, no. 2-3, pp. 245-66, ABSTRACT ONLY.	
	DANSCHUR ET AL 61 Ind. Pro-Mai. 1900, Vol. 173, III. 2-3, pp. 243-00, ABSTRACT ONLY.	
27	DANSCHER ET AL., "Light microscopic visualization of colloidal gold on resin-embedded tissue.", J.	
	HISTOCHEM CYTOCHEM, December 1983, vol. 31, no. 12, pp. 1394-8, ABSTRACT ONLY.	
28	GEUZE ET AL., "Use of colloidal gold particles in double-labeling immunoelectron microscopy of ultrathin	
	irozen tissue sections.", J CELL BIOL, June 1989, vol. 89, no. 3, pp. 653-65. ABSTRACT ONLY	ļ
29	ROTH, J., The silver anniversary of gold: 25 years of the colloidel gold mortes and silver anniversary of gold: 25 years of the colloidel gold mortes.	
1 .	immunocytochemistry and histochemistry", HISTOCHEM CELL BIOL, July 1996, vol. 106, no. 1, pp. 1-8,	1
	ADSTRACTORITY	İ
30	DOLAPCHIEVA, S., "Distribution of concanavalin A and wheat germ agglutinin binding sites in the rat	
i	peripheral nerve fibres revealed by lectin/glycoprotein-gold histochemistry.", HISTOCHEM J., January 1996,	l l
<u> </u>	vol. 28, no. 1, pp. 7-12, ABSTRACT ONLY.	1
31	ROTH ET AL., "Improved accuracy in diagnostic immunohistochemistry, lectin histochemistry and in situ	
11	hyridization using a gold-labeled horseradish percoxidase antibody and silver intensification.", LAB INVEST,	
'	August 1992, vol. 67, no. 2, pp. 263-9, ABSTRACT ONLY.	1
32	HEDVEN ET AI "Doctombedding improposed bistockerist for the Living and the state of the stat	
. 32	HERKEN ET AL., "Postembedding immunogold histochemistry for the localization of laminin and its E4 and	
	P1 fragments in mouse kidney embedded in LR-White and LR-Gold." HISTOCHEM J., June 1991, vol. 23, no.	
	O. DD. ZD/=/Z. ABNIKACI DNI V	1
33	JACKSON ET AL., "Application of 1 nm gold probes on paraffin wax sections for in situ hybridisation	
	III INSIDEREMISTY, J CLIP FAITUL, UCIODET 1990, Vol. 41, no. 10, nn. 810.2. ADCTD ACT CAST 37.	
34	CORNELESE-TEN ET AL., "New sensitive light microscopial detection of colloidal gold on ultreat in "	<del></del>
	II III III III III III III III III III	1
35	HERKEN ET AL. "Light and electron microscopial postembedding lectin histochemistres of the standard of the sta	
	sites in the renal cortex of the mouse embedded in polyhydroxy aromatic resins LR-White and LR-Gold,	
'		1
36	HACKER ET AL., "Electron microscopical autometallography: Immunogold silver string access	
37	HACKER ET AL., "Application of silver acetate autometallography in histopathology: a new detection method	
"	for use in immunogold silver staining legtin histophenicary and it nice but it is new detection method	
	for use in immunogold silver staining, lectin histochemistry and in situ hybridization.", VERH DTSCH GES	1
38	PATHOL, 1990, vol. 74, pp. 368-72, ABSTRACT ONLY.	
30	TSUYAMA ET AL., "Mucin histochemistry of colonic mucous cells with lectin-colloidal gold complex.", J	
		İ
39	BARUCH ET AL., "Preferential expression of novel MUC1 tumor antigen isoforms in human epithelial tumors	
40	GENDLEK ET AL., Molecular cloning and expression of human tumor aggregated 1.	
41	II LIGH CINDERGI C.I. Al., Chinishii a cardinoma-accompted muoto to consente i l.,	
	splice variants with alternative amino termini", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 1990, Vol.	
		ŀ
42	LIGTENBERG ET AL., "Cell-associated enisialin is a complex containing two processing the containing the containing transfer the containing the containing the containing the containing transfer the containing the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer the containing transfer trans	
43		
	antibodies" BIOCHEMICAL AND RIOPHYSICAL DESPANCIA COLOR MUCL Isoform specific monoclonal	
	115.121	
44	WRESCHNER PT AI "Human enithelial turner anti-	1
44	WRESCHNER ET AL., "Human epithelial tumor antigen cDNA sequences-Differential splicing may generate	
10		ļ
45	ZKIHAN-LICHI ET AL., "Characterization and molecular cloning of a nevel MICI.	
46		
	manadogola (311ver) statining technique, AUROPROBE, codes RPN 420-436 RPN 444. Type 9 1000	
	Amersham, Piscataway, NJ, pp. 1-7.	

**EXAMINER** DATE CONSIDERED

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

• 1.				<b>~</b> .				<u></u>		
FORM PTO-1	449/	and	d B (Modifi	ed)	APPLICA	ATION N	0:: 10/809,291	ATTY. DOC	KET NO.: M010	15.70002.US <b>0</b> 1
		1		CLOSURE	FILING	DATE:	03/25/2004		TION NO.: 603	
STATE	ME	NT	BY AP	PLICANT	APPLICA	ANT:	Cynthia C. Bamdao			
Sheet 1	.		of'	1	GROUP	ART UN	T: 1641	EXAMINER	: Counts, Gary	w.
					U.S. 1	PATENT	DOCUMENTS			·
.Examiner's	Cit	e	τ	J.S. Patent Docum	ent	Nar	ne of Patentee or Applica	nt of Cited	Date of Public	ation or of issue
Initials	No		)	Number	Kind Code		Document		of Cited	Document D-YYYY
i	1		4,313,73	4		Leuver	ing .		02-02-1982	
	2		4,744,76	0		Molda	у		05-17-1988	
	3		4,859,61	2		Cole et	al.		08-22-1989	
	4		4,879,22	0		Mrsny	et al.		11-07-1989	
	5		4,888,24	8		Hirai e	t al.		12-19-1989	
	6		5,147,84	1		Wilcox	con'		09-15-1992	
	7		5,248,77	2		Siiman	et al.		09-28-1993	
					FOREIG	N PATE	NT DOCUMENTS		05 20-1555	
Examiner's	Cite		For	eign Patent Docum	nent	Nar	ne of Patentee or Applicar	nt of Cited	Date of	
Initials	No		Office/ Country	Number	Kind Code		Document (not necessary)		Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
	8		wo	92/08134	A1	Coulter	Corporation		05-14-1992	-
EXAMINER	.						DATE CONSIDERE			
							DATE CONSIDERE	ט		

APPLICATION NO.: 10/809, 29!

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 1

APPLICATION NO.: 10/809, 29!

ATTY. DOCKET NO.: M01015.70002.USO1

CONFIRMATION NO.: 6035

APPLICANT: Cynthia C. Bamdad et al.

GROUP ART UNIT: 1641

EXAMINER: Counts, Gary W.

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue	
		Number	Kind Code	Document	of Cited Document  MM-DD-YYYY	
	1.	2002/0042074	- A1	Bamdad et al.	04-11-2002	
	2.	2002/0086443	A1	Bamdad		
•	3.	2002/0098526	A1	Bamdad	07-04-2002	
	4.	2002/0156112	A1	Bamdad et al.	07-25-2002	
	5.	2002/0164611	A1	Bamdad et al.	10-24-2002	
	6.	2003/0036199	A1	Bamdad et al.	11-07-2002	
	7.	2003/0059955	A1	Bamdad	02-20-2003	
	8.	2003/0060487	A1	Barndad et al.	03-27-2003	
	9.	2003/0087228	Al	Bamdad et al.	03-27-2003	
				1 Danieland of the	05-08-2003	

EXAMINER	DATE CONSIDERED	
		1

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO Application Number 10/809,291 Filing Date 03/25/2004 INFORMATION DISCLOSURE First Named Inventor BAMDAD, Cynthia C. STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) Examiner Name COUNTS, Gary W. M1015.70002US01 Attorney Docket Number Sheet 1

Examiner	Cite	Doggarant Number	Publication Date	Name of Patentee or	Dages Columns Lines Mhars	
Initials*	No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	A1	<sup>US-</sup> 4853335	08-01-1989	Olsen et al.	whole document	
	A2	<sup>US-</sup> 5589401	12-31-1996	Hansen et al.	whole document	
	A3	<sup>US-</sup> 6319670	11-20-2001	Sigal et al.	whole document	
	A4	<sup>US-</sup> 5620850	04-15-1997	Bamdad et al.	whole document	
	A5	<sup>US-</sup> 6180084	01-30-2001	Ruoslahti et al.	whole document	
	A6	<sup>US-</sup> 6346389	02-12-2002	Altieri et al.	whole document	
	A7	<sup>US-</sup> 6342349	01-29-2002	Virtanen et al.	whole document	
•	A8	<sup>US-</sup> 6413770	07-02-2002	Godowski et al.	whole document	
	A9	<sup>US-</sup> 6001556	12-14-1999	Charych et al.	whole document	
	A10	<sup>US-</sup> 6541617	04-01-2003	Bamdad et al.	whole document	
	A11	<sup>US-</sup> 4115535	09-19-1978	Giaever et al.	whole document	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	, applicant of ones becamen	Or Relevant Figures Appear	7
	B1	EP 0299428	01-18-1989	Ching et al.	whole document	
	B2	EP 0142301	05-22-1985	Forrest et al.	whole document	
	ВЗ	WO 98/34114	08-06-1998	Dremel	whole document	
	B4	WO 00/43791	07-27-2000	Bamdad et al.	whole document	
						L
						Γ

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.